

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (currently amended) A micro-particle array analyzing system comprising:  
a vessel holding a plurality of magnetic micro-particles, said vessel being arranged to receive a sample therein;~~and~~

a plurality of magnetic members disposed outside of the vessel for magnetically controlling a relative position of the magnetic micro-particles with respect to the ~~vessel~~, vessel, wherein the plurality of magnetic members are arranged and controlled to apply magnetic fields to the magnetic micro-particles;  
a solution flow controlling unit controlling solution flow in the vessel; and  
a magnetic member controlling unit controlling on/off setting of the magnetic members to switch on/off application of magnetic fields to the magnetic members.

~~wherein the plurality of magnetic members apply a magnetic field to each of the magnetic micro-particles, and switch the application of the magnetic fields to move the magnetic micro-particles within the vessel~~

wherein the magnetic member controlling unit sets the plurality of magnetic members off in order of location from downstream of the solution flow, after setting the plurality of magnetic members on in order of location from downstream of the solution flow.

2. (previously presented) The micro-particle array analyzing system according to Claim 19, wherein the vessel holds first and second magnetic micro-particles, and each of the non-magnetic micro-particles has a probe immobilized to a surface thereof, and is sandwiched between the first and second magnetic micro-particles.

3. (previously presented) The micro-particle array analyzing system according to Claim 19, wherein at least one of the magnetic micro-particles has a probe immobilized to a surface thereof.

4. (previously presented) The micro-particle array analyzing system according to Claim 2, further comprising:

a detector for detecting a bond between one of the probes and an organism-related molecule included in the sample; and

an analyzer for analyzing a result of detection by the detector.

5. (previously presented) The micro-particle array analyzing system according to Claim 19, wherein the magnetic members are movably provided outside of the vessel.

6. (previously presented) The micro-particle array analyzing system according to Claim 19, wherein the magnetic members are electromagnets provided outside of the vessel, and the electromagnets move the magnetic micro-particles by controlling capturing to the electromagnets and dissociation from the electromagnets

of the magnetic micro-particles in accordance with a variation of the magnetic fields generated by the electromagnets.

7. (currently amended) The micro-particle array analyzing system according to Claim 19, wherein the vessel has branched channels , the magnetic micro-particles and the non-magnetic micro-particles are each included in one of the branched channels, and at least one of the magnetic micro-particles or non-magnetic micro-particles is taken out from an opening end of a different one of the branched channels than said one of the branched channels by the on/off switching of the magnetic fields moving the magnetic micro-particles.

8. (currently amended) The micro-particle array analyzing system according to Claim 19, further comprising:

a transport mechanism for transporting particular molecules in a sample by collecting one of the magnetic micro-particles or non-magnetic micro-particles from an opening end of the vessel to which the collected particle is moved by the on/off switching of the magnetic fields; and

an electrophoresis apparatus connected to the transport mechanism.

9. (currently amended) The micro-particle array analyzing system according to Claim 19, further comprising:

a transport mechanism for transporting particular molecules in a sample by collecting one of the magnetic micro-particles or non-magnetic micro-particles from

an opening end of the vessel to which the collected particle is moved by the on/off switching of the magnetic fields; and

a mass spectroscopy connected to the transport mechanism.

10. – 18. (canceled)

19. (previously presented) The micro-particle array analyzing system according to claim 1, further comprising a plurality of non-magnetic micro-particles held by the vessel, wherein the magnetic micro-particles and non-magnetic micro-particles are arranged in a sequence within the vessel.

20. (canceled)

21. (currently amended) The micro-particle array analyzing system according to claim 1, further comprising a collecting vessel collecting one of the magnetic micro-particles moved by the on/off switching of the magnetic fields.

22. (canceled)